

LACTOBACILLUS PARACASEI STRAIN AND USE THEREOF

ABSTRACT

The present invention pertains to: a novel human-derived probiotic strain that is
5 *Lactobacillus paracasei* KBL382, *Lactobacillus paracasei* KBL384, or *Lactobacillus*
paracasei KBL385; and a use of the strain for improving intestinal health and treating or
preventing intestinal diseases. The strain according to the present invention has excellent
anti-inflammatory and immunomodulatory functions, has a superb strengthening effect
on tight junctions of the intestinal tract wall, suppresses enteritis-induced weight loss and
10 colon length reduction, thereby exhibiting a therapeutic effect for enteritis, and
significantly alleviates the symptoms of atopic dermatitis. Therefore, the strain can be
useful as a probiotic material for enhancing anti-inflammatory effects, strengthening
immunity, improving intestinal health functions, and alleviating allergic diseases.

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Fig. 4